

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

07/25/2011

Sheila Lawn
Assistant District Attorney, Suffolk County

Dear ADA Lawn,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]
Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Della Saunders.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Della Saunders was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".

Annie Dookhan
Chemist II
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6631

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

*Maintenance and repairs of all analytical instruments.

*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

*Responsible for the Quality Control/Quality Assurance program for the drug lab.

*Notary Public.

*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

*Writing, revising and reviewing Standard Operating Procedures (SOPs).

*Trained and supervised new chemists and interns for the department.

*Routine QC testing of products for the FDA.

*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

*Complete testing of chemicals for Vendor Validation Project for the FDA.

*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Della Saunders

Education:

Boston University Boston, MA. Bachelors of Arts in Chemistry 1982

Experience:

1985-present: Currently Chemist III Massachusetts Department of Public Health Drug Analysis Laboratory at State Laboratory Institute Boston, MA. Responsible for analyzing unknown substances submitted by Massachusetts law enforcement agencies; operating, maintaining, and interpreting data from analytical equipment (analytical balance, microscope, gas chromatogram, ultraviolet spectrometer, infrared spectrometer, gas chromatogram/mass spectrometer); training junior level chemists; providing expert testimony to local, state, and federal courts in the Commonwealth of Massachusetts.

1984-1985: Laboratory Technician in the Media Laboratory at State Laboratory Institute Boston, MA. Responsible for making chemical reagents and media plates; operating and maintaining laboratory equipment (autoclave, pH meter, ultra-violet hood), and collecting safety data for laboratory protocols.

Training:

1985: Six week training with Senior Staff at Massachusetts Department of Public Health (MDPH) Drug Analysis Laboratory Boston, MA. Appointed Assistant Analyst MDPH

1987: One week training course in drug analysis given by the Federal Drug Enforcement Agency (DEA) McLean, VA.

1992: Training in Gas Chromatograph/Mass Spectroscopy (GC/MS) Hewlett Packard (Agilent)

1996: Training in Fourier Transform Infra-Red Spectroscopy ETA (Analect)

2001: Expert Witness Workshop National Laboratory Training network Quality Assurance/Quality Control Training (MDPH)

2002: Techniques of Supervision Training (MDPH)

1999: Notary Public Commonwealth of Massachusetts



District/Unit 57
Name & Rank of Arresting Officer SSPO. Leonard Graf ID# 14-51

To be completed by ECU personnel only

Name and Rank of Submitting Officer Subj White ID# 1106x

Received by EW Date 8-29-1

ECU Control #

No. [REDACTED] Date Analyzed: 04-16-11
City: Boston D.C.U. Police Dept.
Officer: P.O. SYBIL WHITE
Def: [REDACTED]
Amount: 2.0 Subst: TAB
No. Cont: 1 Cont: pb
Date Rec'd: 02/24/2011 No. Analyzed:
Gross Wt.: 3.91 Net Weight:
Tests: 19+L ASD

Prelim: C Findings: clonidine

No. [REDACTED] Date Analyzed: MAY 12 2011
City: Boston D.C.U. Police Dept.
Officer: P.O. SYBIL WHITE
Def: [REDACTED]
Amount: 2 broken tabs
Subst: LOOSE SUB
No. Cont: 1 Cont: pb metal.
Date Rec'd: 02/24/2011 container No. Analyzed:
Gross Wt.: 17.92 Net Weight:
Tests: 6AD
+2 JF
Prelim: ? Findings: promethazine

DRUG POWDER ANALYSIS FORM

SAMPLE # AGENCY Boston. ANALYST ASJ

No. of samples tested: Evidence Wt. ✓

PHYSICAL DESCRIPTION:

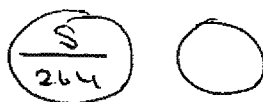
2 yellow round tablet
17-pb

Gross Wt ():

Gross Wt ():

Pkg. Wt:

Net Wt: 0.2789



PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate ()

Marquis

Froehde's

Mecke's

Microcrystalline Tests

Gold
Chloride

TLTA ()

OTHER TESTS

Monomer A 100

PRELIMINARY TEST RESULTS

RESULTS Clonidine

DATE 6-16-11

GC/MS CONFIRMATORY TEST

RESULTS

MS
OPERATOR

DATE

Drug Information

DRUG NAME: CLONIDINE HYDROCHLORIDE

INGREDIENTS: CLONIDINE HYDROCHLORIDE -- 0.2 MG

Color: Light Yellow

Shape: Circle

Imprint: S 264 Imprinted with S above the score and 264 below the score.

Form: Oral Tablet

Available-Container-Size: Bottle of 1000 , Bottle of 100

AAPCC Code: 201081 - Clonidine

NDC: 67253-264-11
67253-264-10

Regulatory Status: RX

Availability: United States

Product ID 6854354

Contact: Dava Pharmaceuticals

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DRUG POWDER ANALYSIS FORM

SAMPLE # AGENCY Boston ANALYST ADD

No. of samples tested: Evidence Wt.

PHYSICAL DESCRIPTION:

2 white broken tablets
17 mc

Gross Wt ():

Gross Wt ():

Pkg. Wt:

Net Wt: 0.2870

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate (-) -

Marquis -

Froehde's -

Mecke's -

Microcrystalline Tests

Gold
Chloride

TLTA ()

OTHER TESTS

Dille = -

GC +

PRELIMINARY TEST RESULTS

RESULTS ?

DATE 4-16-11

GC/MS CONFIRMATORY TEST

RESULTS Promethazine

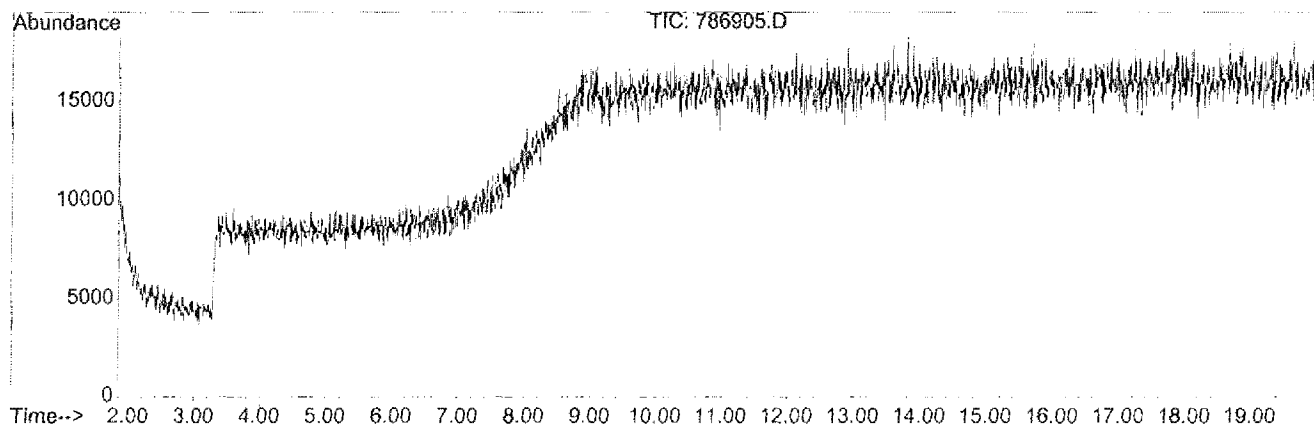
MS
OPERATOR DCJ

DATE 5-12-11

Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_09_11\786905.D
Operator : ASD
Date Acquired : 9 May 2011 13:45
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: GENSCAN
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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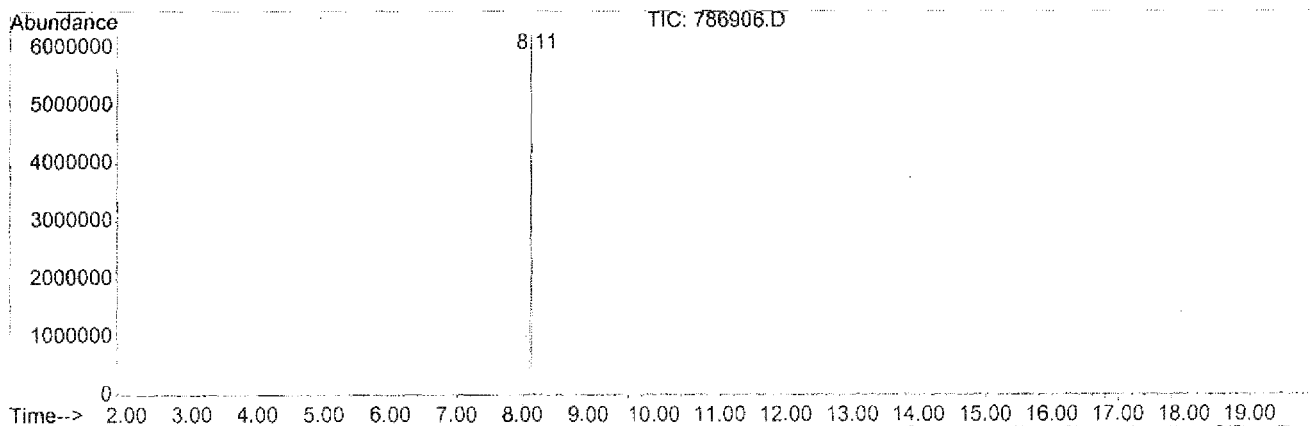
NO INTEGRATED PEAKS

✓ 7/22/11 ASD

Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_09_11\786906.D
 Operator : ASD
 Date Acquired : 9 May 2011 14:09
 Sample Name : PROMETHAZINE STD PREP 5/9/11
 Submitted by :
 Vial Number : 6
 AcquisitionMeth: GENSCAN
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
8.114	6039959	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

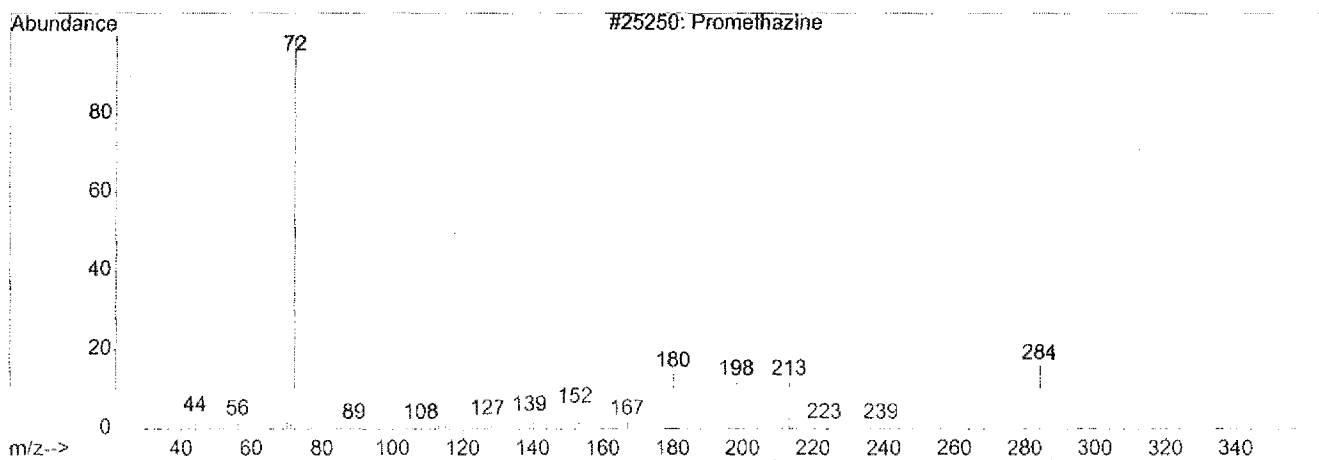
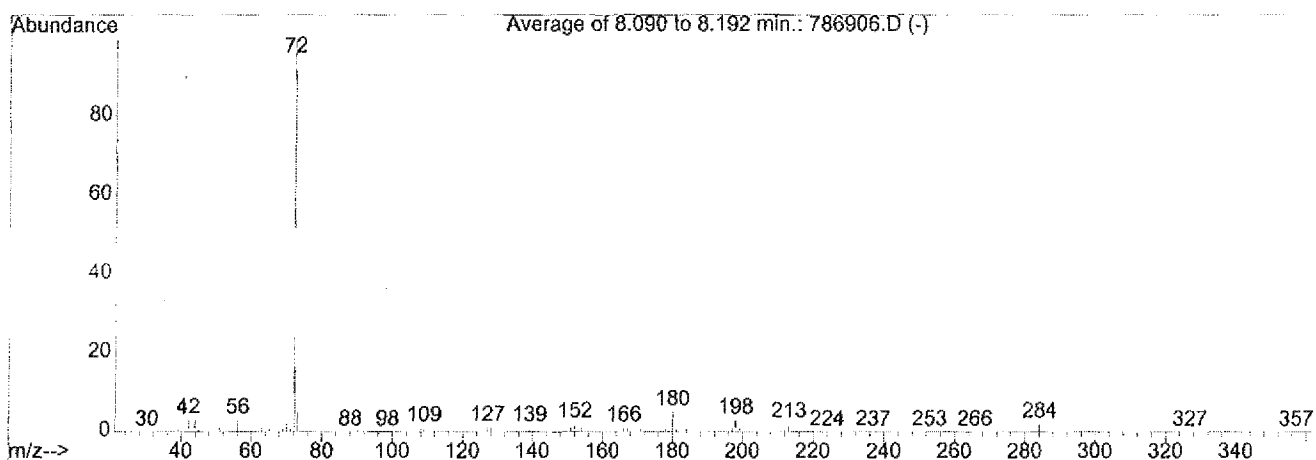
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File Name       : D:\SYSTEM4\05_09_11\786906.D
Operator        : ASD
Date Acquired   : 9 May 2011 14:09
Sample Name     : PROMETHAZINE STD PREP 5/9/11
Submitted by    :
Vial Number     : 6
AcquisitionMeth : GENSCN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

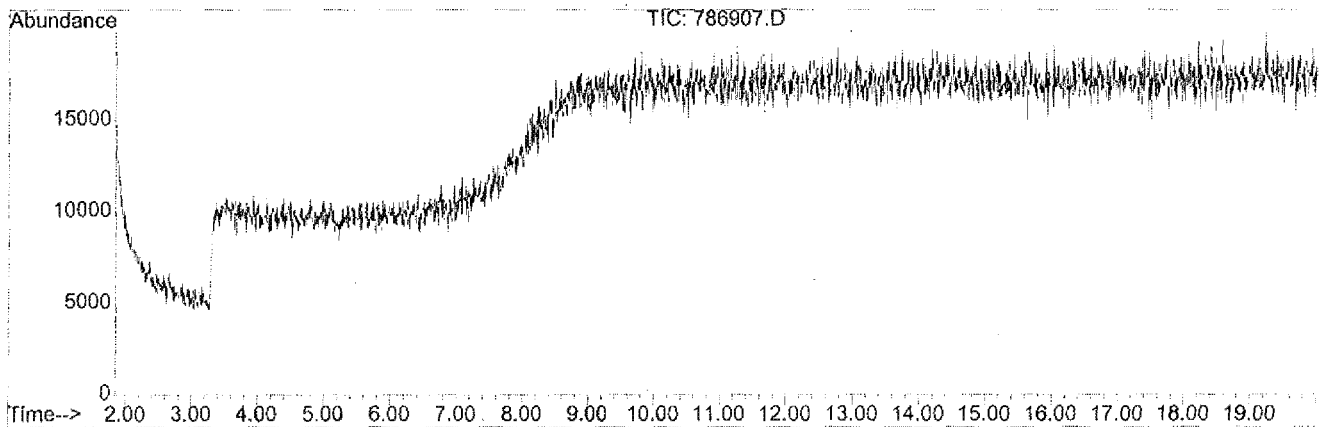
PK#	RT	Library/ID	CAS#	Qual
1	8.11	C:\DATABASE\NIST98.L		
		Promethazine	000060-87-7	97
		Promethazine	000060-87-7	96
		Promethazine Hydrochloride	000058-33-3	93



Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_09_11\786907.D
Operator : ASD
Date Acquired : 9 May 2011 14:33
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: GENSCAN
Integrator : RTE



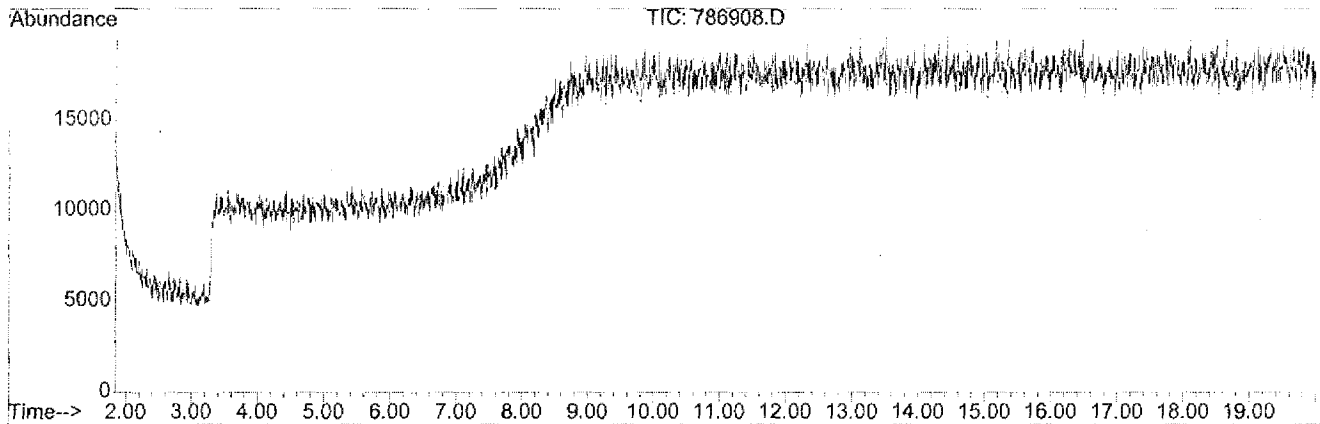
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_09_11\786908.D
Operator : ASD
Date Acquired : 9 May 2011 14:57
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: GENSCAN
Integrator : RTE



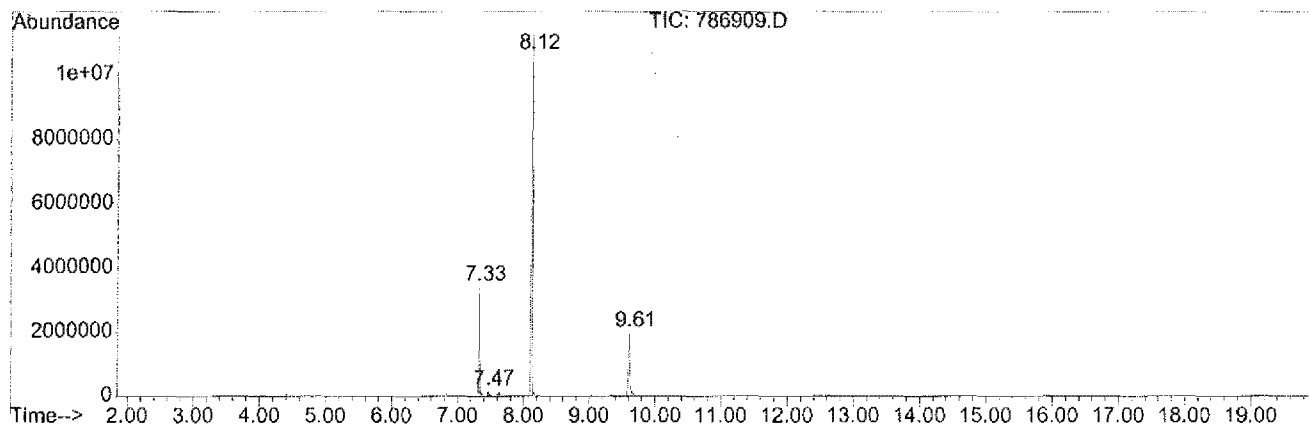
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_09_11\786909.D
 Operator : ASD
 Date Acquired : 9 May 2011 15:21
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 9
 AcquisitionMeth: GENSCN
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
7.329	3185439	14.73	21.59
7.466	153920	0.71	1.04
8.124	14754847	68.25	100.00
9.614	3525646	16.31	23.89

Area Percent / Library Search Report

Information from Data File:

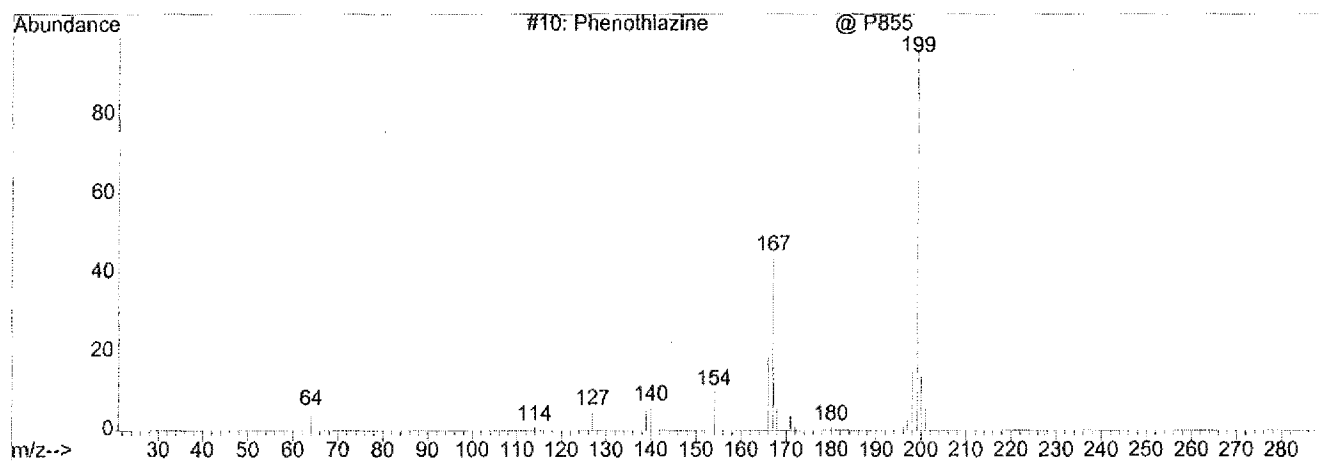
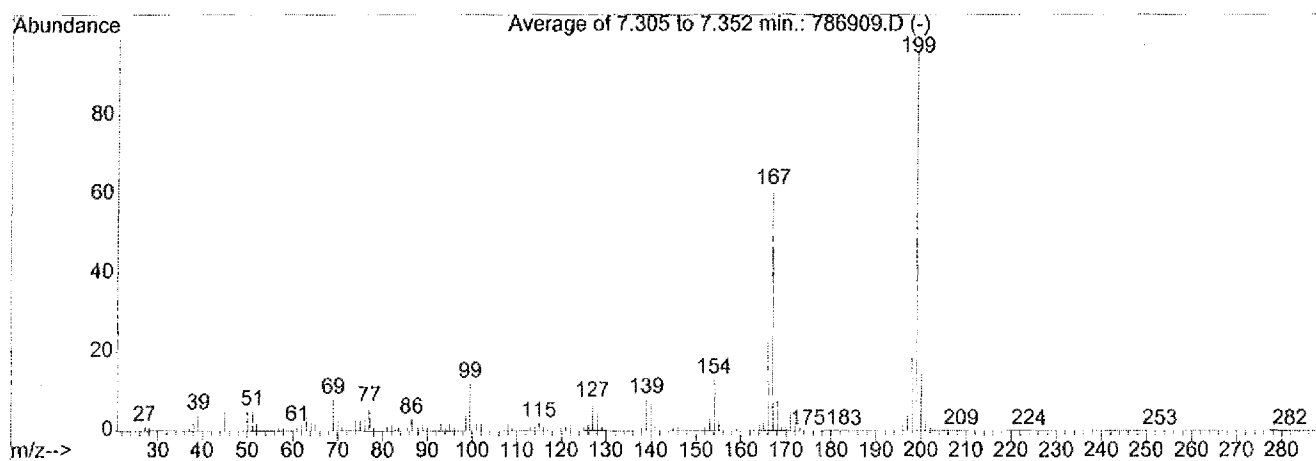
```

File Name       : D:\SYSTEM4\05_09_11\786909.D
Operator        : ASD
Date Acquired   : 9 May 2011 15:21
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 9
AcquisitionMeth : GENSCN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	7.33	C:\DATABASE\PMW_TOX2.L		
		Phenothiazine	@ 000092-84-2	95
		Doxylamine HY	000000-00-0	32
		Adiphenine-M/artifact (ME)	003469-00-9	9



Area Percent / Library Search Report

Information from Data File:

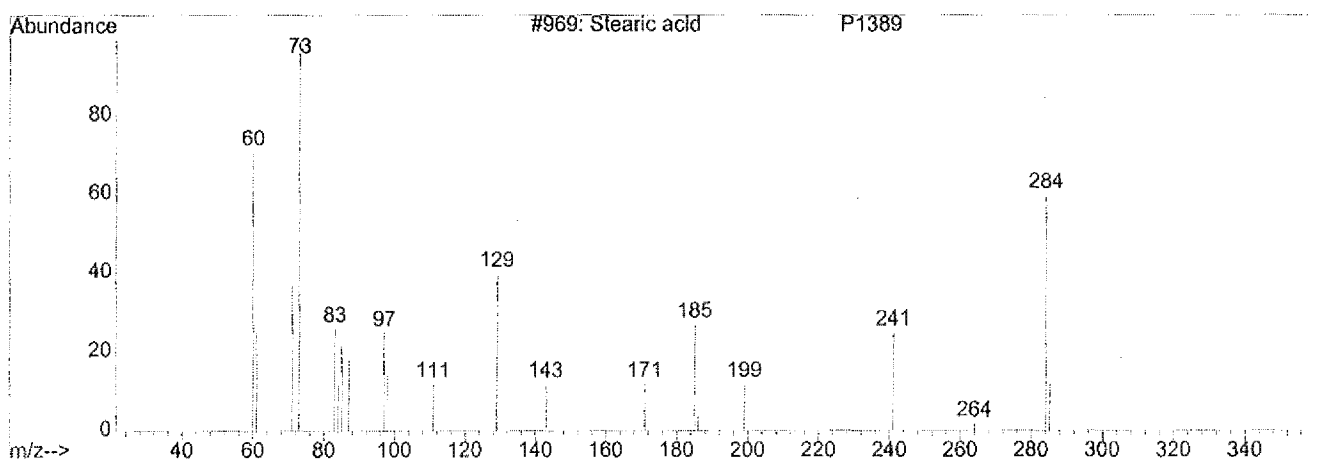
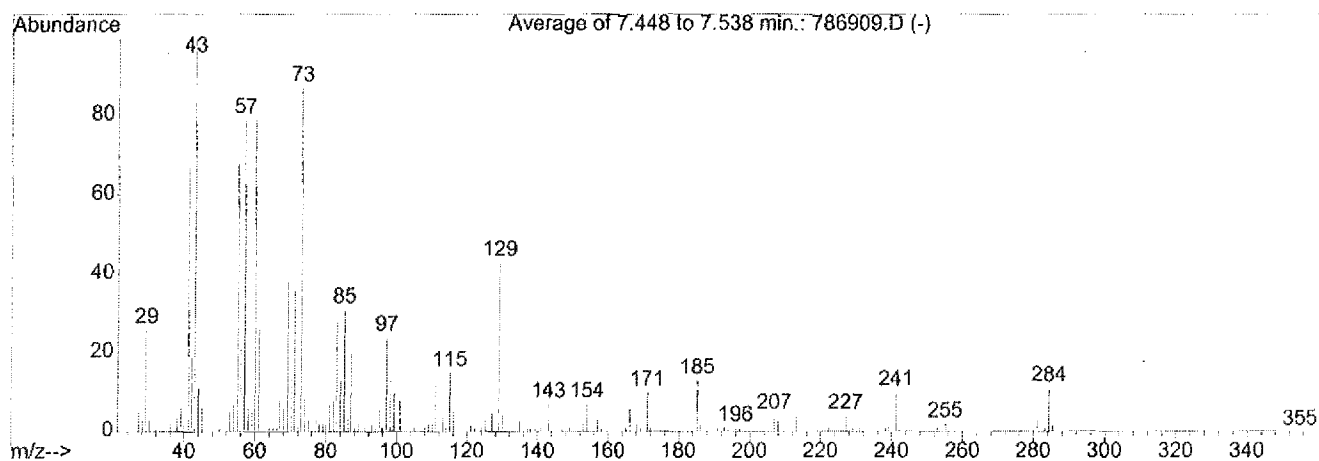
```

File Name       : D:\SYSTEM4\05_09_11\786909.D
Operator        : ASD
Date Acquired   :  9 May 2011  15:21
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 9
AcquisitionMeth : GENSCN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
2	7.47	C:\DATABASE\PMW_TOX2.L		
		Stearic acid	000057-11-4	90
		Myristic acid	000544-63-8	72
		Acetic acid	000064-19-7	9



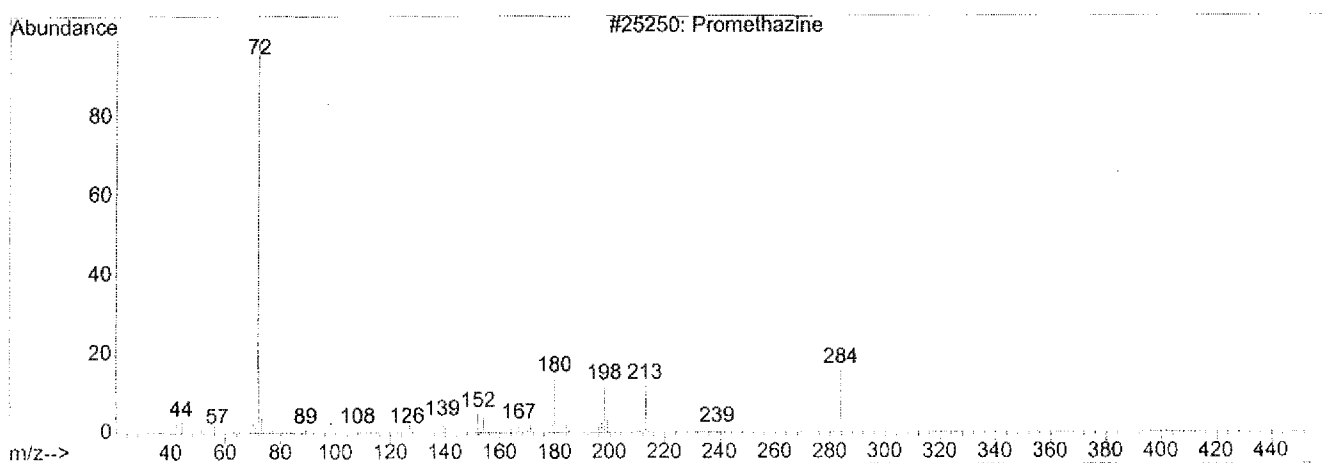
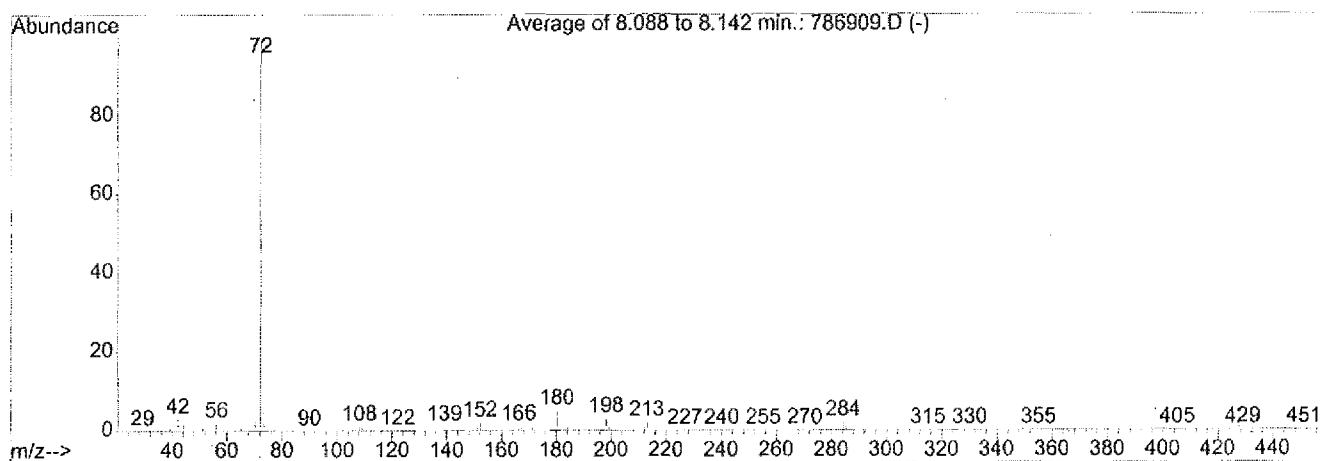
Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_09_11\786909.D
 Operator : ASD
 Date Acquired : 9 May 2011 15:21
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 9
 AcquisitionMeth: GENSCAN
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
3	8.12	C:\DATABASE\NIST98.L		
		Promethazine	000060-87-7	97
		Promethazine	000060-87-7	96
		Promethazine	000060-87-7	83



Area Percent / Library Search Report

Information from Data File:

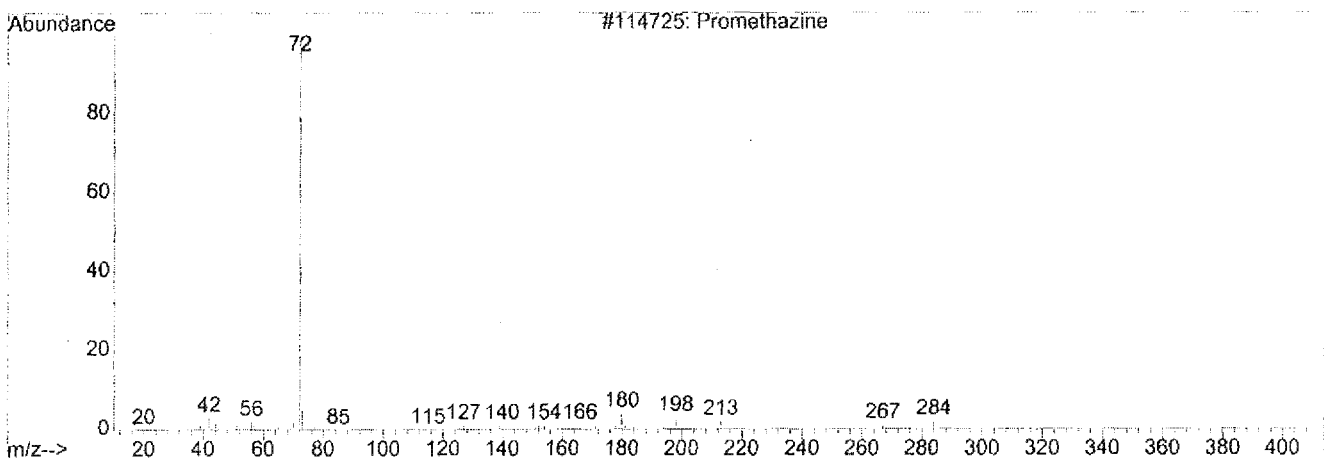
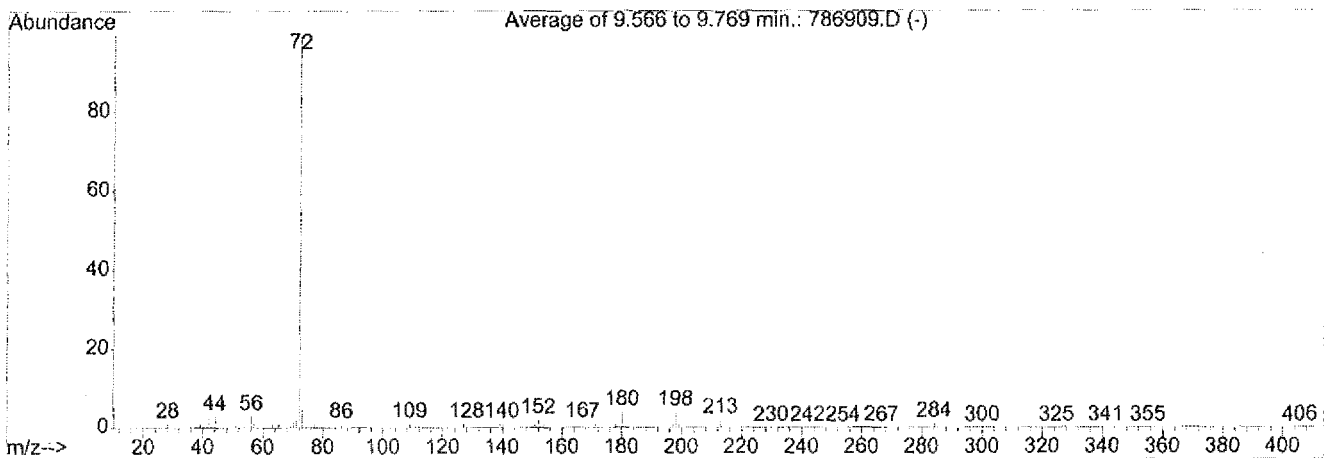
```

File Name       : D:\SYSTEM4\05_09_11\786909.D
Operator        : ASD
Date Acquired   : 9 May 2011 15:21
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 9
AcquisitionMeth : GENSCN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

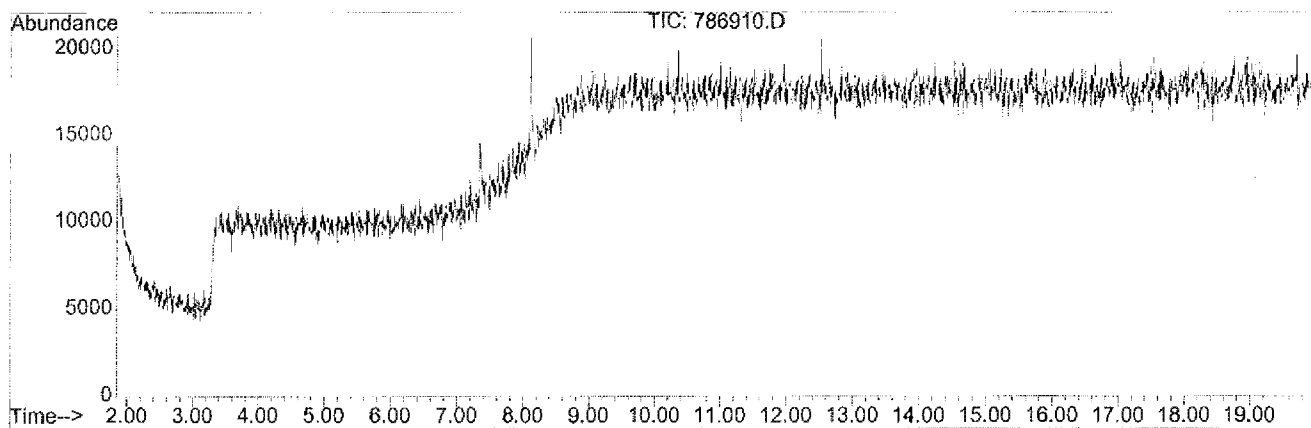
PK#	RT	Library/ID	CAS#	Qual
4	9.61	C:\DATABASE\NIST98.L		
		Promethazine	000060-87-7	95
		Promethazine	000060-87-7	94
		Promethazine	000060-87-7	72



Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_09_11\786910.D
Operator : ASD
Date Acquired : 9 May 2011 15:45
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: GENSCAN
Integrator : RTE



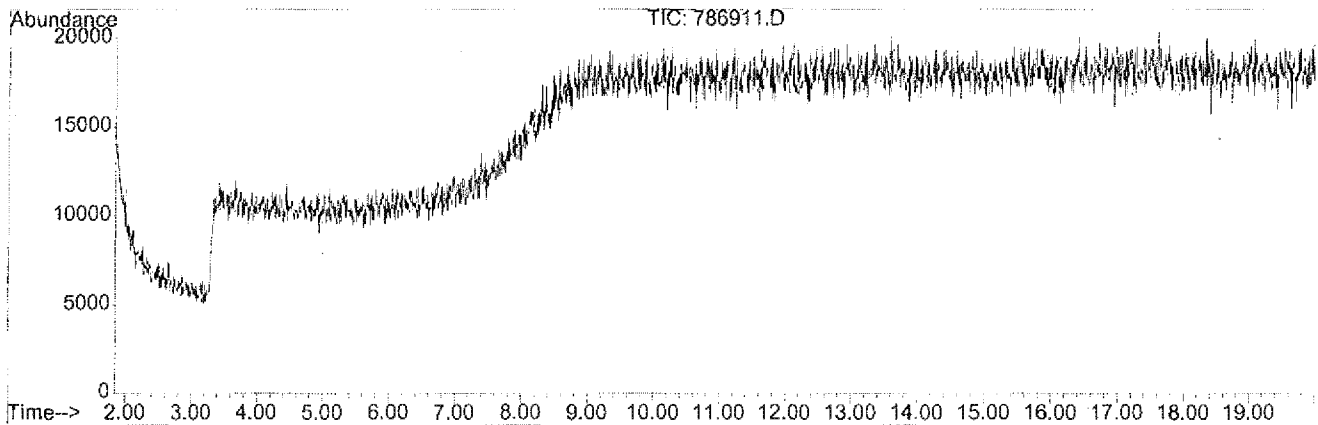
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_09_11\786911.D
Operator : ASD
Date Acquired : 9 May 2011 16:09
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: GENSCAN
Integrator : RTE



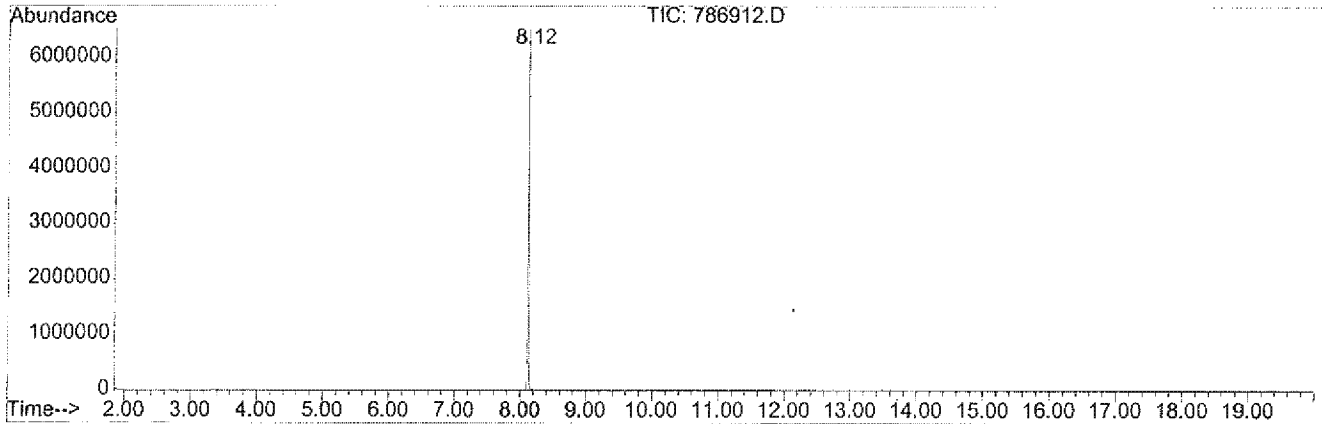
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_09_11\786912.D
Operator : ASD
Date Acquired : 9 May 2011 16:33
Sample Name : PROMETHAZINE STD
Submitted by :
Vial Number : 6
AcquisitionMeth: GENSCAN
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
8.115	6606775	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

```

File Name       : D:\SYSTEM4\05_09_11\786912.D
Operator        : ASD
Date Acquired   : 9 May 2011 16:33
Sample Name     : PROMETHAZINE STD
Submitted by    :
Vial Number     : 6
AcquisitionMeth : GENSCAN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	8.12	C:\DATABASE\NIST98.L		
		Promethazine	000060-87-7	97
		Promethazine	000060-87-7	96
		Promethazine Hydrochloride	000058-33-3	93

